

## CLAIMS

1. Supporting frame for automobile sunroofs, provided with an assembly (1)  
 5 formed by a front (B) and two sides (A) at each end of said front in which run  
 sliding elements (3), these sliding elements being driven by a cable acting as a  
 drive element or by similar means, and which run along a guide channel of the  
 frame itself, the supporting frame being provided with a front part added as a  
 water drainage area, stops for the mechanism pivots and tabs for attaching the  
 10 frame itself to the vehicle body

characterised in that

- the supporting frame (1) is made by injection in a single piece,  
 including the front (B), the two sides (A), a centred extension (C) of  
 said front, protrusions (21) with orifices for attachment to the vehicle  
 15 body, stops for the mechanism pivots,
- the drive element of the sliding elements (3) is a cable (2),
- the extension (C) of the front receives the drive motor, attached to it  
 at areas (13), also acting as a cover (14) for the cable drum,
- the cable (2) runs freely from the cable drum between the sliding  
 20 elements (3) and the corners (4, 6) of the front (B) and the ends (5, 7)  
 of the sides, at the corners and ends of which are provided reroutings  
 for said cable,
- the ends (5, 7) of the sides are provided with lateral channels with  
 recesses (20) made in their upper horizontal walls by which the  
 25 sliding elements (3) are mounted in a vertical sense.

2. Supporting frame for automobile sunroofs as claimed in claim 1,  
 characterised in that when the supporting frame is made of plastic the cable  
 reroutings and the drain tubes (12) form a single element with the frame itself.

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3. Supporting frame for automobile sunroofs as claimed in claim 1,  
 characterised in that when the supporting frame is made of a metal alloy the  
 reroutings (15) and the drain tubes (16) form part of auxiliary pieces that contain  
 both and are clipped by tabs (17) onto orifices made in the frame.

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4. Supporting frame for automobile sunroofs as claimed in claim 1, characterised in that the cable (2) is composed of three cable segments: a first segment that runs from the drum to one of the sliding elements (3), passing by the rerouting of the front corner (4) and with a spring at the end connected to the sliding element; a second segment (11) coupled to the sliding element (3) that passes a rerouting (5) of a side, continuing to another rerouting at the corner (4), different from the aforementioned one, then continuing to the other front corner (6) where it is connected by the corresponding rerouting to the other sliding element; and a third cable (10) that runs from this latter sliding element with a spring coupled to it and passes the rerouting (7) of this side, returning to another rerouting at the front corner (6), different from the aforementioned one.
5. Supporting frame for automobile sunroofs as claimed in the previous claims 1, characterised in that other intermediate reroutings are provided in addition to those of the front corners and the ends of the sides, when necessary.